

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



**SILICON VALLEY IP GROUP, PC**

95 S. MARKET STREET, SUITE 420  
SAN JOSE, CA 95113

TELEPHONE: (408) 971-2573

FACSIMILE: (408) 971-4660

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Title: System and Method for Generating 128-bit Cyclic Redundancy Check Values with 32-bit Granularity

Application No. 10/783,345

Filing Date: 02/20/04

Assignee: nVidia Corporation

Dear Sir:

Please enter the enclosed Revocation and Power of Attorney into the file of the referenced application. Further attached is a copy of an assignment submitted for recordation showing that the above assignee is the owner of the entire interest of the above-identified patent application or patent.

Very truly yours,  
Silicon Valley IP Group, PC

Kevin J. Zilka  
Reg. No. 41,429

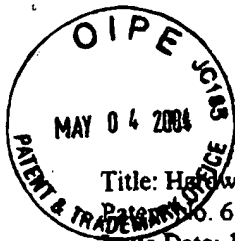
Enclosure

CERTIFICATE OF MAILING

I do hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date set forth below.

Melissa D. Orvis  
Melissa D. Orvis

4/30/04  
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Title: Hardware Accelerator for an Object-Oriented Programming Language

Patent No. 6,330,659

Issue Date: 12/11/01

Assignee: nVidia Corporation

---

Title: Multiple Network Protocol Encoder/Decoder and Data Processor

Patent No. 6,034,963

Issue Date: 03/07/00

Assignee: nVidia Corporation

---

Title: Multiple Network Encoder/Decoder and Data Processor

Application No. 10/093,340

Filing Date: 03/06/02

Assignee: nVidia Corporation

---

Title: Hardware Accelerator for an Object-Oriented Programming Language

Application No. 09/886,167

Filing Date: 06/20/01

Assignee: nVidia Corporation

---

Title: TCP/IP/PPP Modem

Application No. 09/321,902

Filing Date: 05/28/99

Assignee: nVidia Corporation

---

Title: TCP/IP/PPP Modem

Application No. 09/470,479

Filing Date: 12/22/99

Assignee: nVidia Corporation

---

Title: Internet Jack

Application No. 10/049,972

Filing Date: 08/16/00

Assignee: nVidia Corporation

---

Title: Internet Modem Streaming Socket Method

Application No. 09/965,952

Filing Date: 09/27/01

Assignee: nVidia Corporation

---

Title: Communications Processor

Application No. 10/470,365

Filing Date: 01/25/02

Assignee: nVidia Corporation

---

Title: Giga Byte Ethernet Adaptor  
Application No. 10/131,118  
Filing Date: 04/23/02  
Assignee: nVidia Corporation

---

Title: Gigabit Ethernet Adapter Supporting the iSCSI and IPSEC Protocols  
Application No. 10/456,871  
Filing Date: 06/05/03  
Assignee: nVidia Corporation

---

Title: Connection Management System and Method for a Transport Offload Engine  
Application No. 10/742,358  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: Retransmission System and Method for a Transport Offload Engine  
Application No. 10/741,978  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: Integrated Policy Checking System and Method  
Application No. 10/741,972  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: Sequence Tagging System and Method for Transport Offload Engine Data Lists  
Application No. 10/741,128  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: System and Method for Using Metadata in the Context of a Transport Offload Engine  
Application No. 10/742,352  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: System and Method for Receiving of iSCSI Protocol Data Units  
Application No. 10/741,681  
Filing Date: 12/19/03  
Assignee: nVidia Corporation

---

Title: System and Method for Insertion of Markers Into a Data Stream  
Application No. 10/783,766  
Filing Date: 02/20/04  
Assignee: nVidia Corporation

---

Title: System and Method for Generating 128-bit Cyclic Redundancy Check Values with 32-bit Granularity  
Application No. 10/783,345  
Filing Date: 02/20/04  
Assignee: nVidia Corporation

---

U.S. PATENT & TRADEMARK OFFICE  
MAY 04 2004

Title: Method and Apparatus for Accessing and Maintaining Socket Information for High Speed Network Connections  
Attorney Docket # 60100-0011  
Application No. Unassigned  
Filing Date: 04/12/04  
Inventors: John S. Minami, Robin Y. Uyeshiro, Thien E. Ooi, and Murray Wallace  
Assignee: nVidia Corporation

**REVOCATION OF PRIOR POWERS OF ATTORNEY  
AND GRANT OF NEW POWER OF ATTORNEY**

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As assignee of record of the entire interest of the above-identified patent applications(s) and/or patent(s), all powers of attorney previously given are hereby revoked and the following agents/attorneys are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

Kevin J. Zilka (Reg. No. 41,429);  
Dominic M. Kotab (Reg. No. 42,762);  
Ronald B. Feece (Reg. No. 46,327);  
Richard B. Domingo (Reg. No. 36,784);  
Stephen H. Pettigrew (Reg. No. 35,978);  
Paul D. Carmichael (Reg. No. 18,679); and  
Joseph Vo (Reg. No. 43,971).

Please send all correspondence for these applications(s) and/or patent(s) as follows:

Cust. ID #: \*28875\*  
Silicon Valley IP Group, PC  
P.O. Box 721120  
San Jose, California 95172-1120

Please direct any calls to Kevin Zilka at (408) 505-5100.

Date 4/30/04

Richard B. Domingo

Name: Richard B. Domingo

Title: Director of Intellectual Property  
nVidia Corporation



**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
  - a) iReady Corporation  
2933 Bunker Hill Lane, Suite 202  
Santa Clara, California 95054-1141
2. Name and address of receiving party(ies):
  - a) Name: NVIDIA Corporation  
Address: 2701 San Tomas Expressway  
Santa Clara, CA 95050
3. Nature of conveyance

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: April 21, 2004

4. Application Number(s) or Patent Number(s):

**U.S. PATENTS**

Patent No.	Issue Date	Title
6,330,659	12/11/01	Hardware Accelerator for an Object-Oriented Programming Language
6,034,963	03/07/00	Multiple Network Protocol Encoder/Decoder and Data Processor

**U.S. PATENT APPLICATIONS**

Application No.	Application Date	Title
10/093,340	03/06/02	Multiple Network Encoder/Decoder and Data Processor
09/886,167	06/20/01	Hardware Accelerator for an Object-Oriented Programming Language
09/321,902	05/28/99	TCP/IP/PPP Modem
09/470,479	12/22/99	TCP/IP/PPP Modem
10/049,972	08/16/00	Internet Jack
09/965,952	09/27/01	Internet Modem Streaming Socket Method
10/470,365	01/25/02	Communications Processor
10/131,118	04/23/02	Giga Byte Ethernet Adaptor
10/456,871	06/05/03	Gigabit Ethernet Adapter Supporting the iSCSI and IPSEC Protocols
10/742,358	12/19/03	Connection Management System and Method for a Transport Offload

Application No.	Application Date	Title
		Engine
10/741,978	12/19/03	Retransmission System and Method for a Transport Offload Engine
10/741,972	12/19/03	Integrated Policy Checking System and Method
10/741,128	12/19/03	Sequence Tagging System and Method for Transport Offload Engine Data Lists
10/742,352	12/19/03	System and Method for Using Metadata in the Context of a Transport Offload Engine
10/741,681	12/19/03	System and Method for Receiving of iSCSI Protocol Data Units
10/783,766	02/20/04	System and Method for Insertion of Markers Into a Data Stream
10/783,345	02/20/04	System and Method for Generating 128-bit Cyclic Redundancy Check Values with 32-bit Granularity
10/822,896	4/12/04	Method and Apparatus for Accessing and Maintaining Socket Information for High Speed Network Connections

5. Please send all correspondence concerning this (these) documents to:

Silicon Valley IP Group, PC  
P.O. Box 721120  
San Jose, CA 95172-1120  
Tel. No.: (408) 971-2573

6. Total number of applications and patents involved: 20

7. Total fee (37 CFR 3.41): \$800.00



Enclosed



Authorized to be charged to Deposit Account No. 50-1351  
(Order No. \_\_\_\_\_)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: \_\_\_\_\_

04/30/04

Kevin J. Zilka  
Registration No. 41,429

**FORM OF  
PATENT ASSIGNMENT  
(for U.S. Patents and Patent Applications)**

**WHEREAS** iReady Corporation, a Delaware corporation, having a principal place of business at 2933 Bunker Hill Lane, Suite 202 Santa Clara, CA 95054-1141 ("Assignor") is an owner of the patents and patent applications listed on Attachment A (collectively, the "Patents") and the inventions set forth therein (the "Inventions"); and

**WHEREAS**, Assignor desires to sell, and nVidia Corporation, a Delaware corporation, having a principal place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 ("Assignee"), desires to acquire, all of Assignor's right, title and interest in and to the Patents and Inventions pursuant to Section 1.1(b) of the Asset Purchase Agreement by and between Assignor and Assignee dated as of April 16, 2004 (the "Purchase Agreement");

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor does hereby sell, assign, and transfer, to the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Inventions;
- (b) the Patents;
- (c) the right to file applications for patent of the United States or other countries on the Inventions, including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty;
- (d) any provisional or other right to recover damages, including royalties, for prior infringement of any Patent; and
- (e) any patents of the United States or other countries that may be granted for or on any patent application included in the Patents or identified in clause (c) above, including continuation, divisional, continuation-in-part, any reissues and extensions of any such application.

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby covenants and agrees to and with the Assignee and its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Patents, including interference proceedings, without charge to the Assignee or its successors, legal representatives, and assigns, but at the cost and expense of the Assignee and its successors, legal representatives, and assigns.

In the event of any conflict between this Patent Assignment and the Purchase Agreement, the Purchase Agreement will control. Nothing in this Patent Assignment should be deemed to amend or modify in any way any of the terms and conditions of the Purchase Agreement or any rights or obligations of the parties thereto.



The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

IN WITNESS WHEREOF, the undersigned has executed this assignment as of April 21, 2004.

IREADY CORPORATION  
A DELAWARE CORPORATION

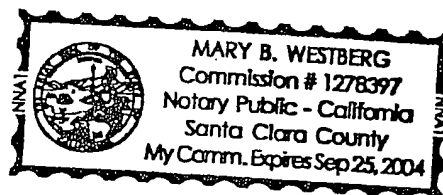
By: [Signature]  
Name: Steve Bach  
Title: CFO

State of California }  
County of: Santa Clara } SS. Assignment Document Return Address:  
Attention: William McGrath  
NVIDIA Corporation  
2701 San Tomas Expressway  
Santa Clara, CA 95050  
(408) 486-2941

On April 21, 2004, before me, Mary B. Westberg,  
the undersigned Notary Public, personally appeared Steve Bach ☒ personally known to me  
or ☒ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to  
the within instrument and acknowledged that he executed the same in his authorized capacity, and that by  
his signature on the instrument the person, or the entity upon behalf of which the person acted, executed  
the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary's Signature



The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

IN WITNESS WHEREOF, the undersigned has executed this assignment as of April \_\_, 2004.

IREADY CORPORATION  
A DELAWARE CORPORATION

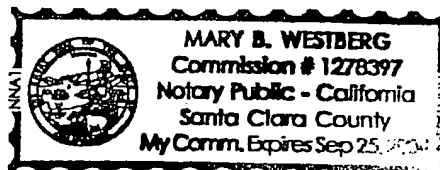
By: [Signature]  
Name: STEVE BAULT  
Title: CFO

State of California }  
County of: Santa Clara } SS. Assignment Document Return Address:  
Attention: William McGrath  
NVIDIA Corporation  
2701 San Tomas Expressway  
Santa Clara, CA 95050  
(408) 486-2941

On April 21, 2004, before me, Mary B. Westberg,  
the undersigned Notary Public, personally appeared Steve Bault ☐ personally known to me  
or ☒ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to  
the within instrument and acknowledged that he executed the same in his authorized capacity, and that by  
his signature on the instrument the person, or the entity upon behalf of which the person acted, executed  
the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary's Signature



The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

IN WITNESS WHEREOF, the undersigned has executed this assignment as of April 21, 2004.

IREADY CORPORATION  
A DELAWARE CORPORATION

By: [Signature]  
Name: Steve Bach  
Title: CFO

State of California }  
County of: Santa Clara } SS. Assignment Document Return Address:  
Attention: William McGrath  
NVIDIA Corporation  
2701 San Tomas Expressway  
Santa Clara, CA 95050  
(408) 486-2941

On April 21, 2004, before me, Mary B. Westberg,  
the undersigned Notary Public, personally appeared Steve Bach ☒ personally known to me  
~~or~~ ☒ I proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to  
the within instrument and acknowledged that he executed the same in his authorized capacity, and that by  
his signature on the instrument the person, or the entity upon behalf of which the person acted, executed  
the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary's Signature



## ATTACHMENT A

### U.S. PATENTS

Patent No.	Issue Date	Title	Inventors
6,330,659	12/11/01	Hardware Accelerator for an Object-Oriented Programming Language	
6,034,963	03/07/00	Multiple Network Protocol Encoder/Decoder and Data Processor	

### U.S. PATENT APPLICATIONS

Application No./ Attorney Docket #	Application Date	Title	Inventors
10/093,340	03/06/02	Multiple Network Encoder/Decoder and Data Processor	
09/886,167	06/20/01	Hardware Accelerator for an Object-Oriented Programming Language	
09/321,902	05/28/99	TCP/IP/PPP Modem	
09/470,479	12/22/99	TCP/IP/PPP Modem	
10/049,972	08/16/00	Internet Jack	
09/965,952	09/27/01	Internet Modem Streaming Socket Method	
10/470,365	01/25/02	Communications Processor	
10/131,118	04/23/02	Giga Byte Ethernet Adaptor	
10/456,871	06/05/03	Gigabit Ethernet Adapter Supporting the iSCSI and IPSEC Protocols	
10/742,358	12/19/03	Connection Management System and Method for a Transport Offload Engine	
10/741,978	12/19/03	Retransmission System and Method for a Transport Offload Engine	
10/741,972	12/19/03	Integrated Policy Checking System and Method	
10/741,128	12/19/03	Sequence Tagging System and Method for Transport Offload Engine Data Lists	
10/742,352	12/19/03	System and Method for Using Metadata in the Context of a Transport Offload Engine	
10/741,681	12/19/03	System and Method for Receiving of iSCSI Protocol Data Units	

Application No./ Attorney Docket #	Application Date	Title	Inventors
10/783,766	02/20/04	System and Method for Insertion of Markers Into a Data Stream	
10/783,345	02/20/04	System and Method for Generating 128-bit Cyclic Redundancy Check Values with 32-bit Granularity	
Docket # 60100- 0011	4/12/04	Method and Apparatus for Accessing and Maintaining Socket Information for High Speed Network Connections	John S. Minami  Robin Y. Uyeshiro  Thien E. Ooi  Murray Wallace

# PATENT POSTCARD

Docket No. **NVIDG000** Appln. No.:  Date: **4/20/2004**

By: KJZ/Mdo Filing Date: Express Mail No.:

**Inventor(s):** \_\_\_\_\_

Title:	20 Patents/Apps from iReady to Nvidia
--------	---------------------------------------

The following has been received in the U.S. Patent & Trademark Office on the date stamped below:

X	Assignment Recordation Cover Sheet
X	Assignment Document
X	Check no. 1527 in the amount of \$800.00
X	Return Postcard

1527

**SILICON VALLEY IP GROUP, PC**

95 S MARKET ST., STE 420  
SAN JOSE, CA 95113

DATE 4/29/04

11-35-1210

PAY  
TO THE  
ORDER OF Commissioner of Patents

\$ 800.00

**DOLLARS**  Security Features Included. Details on Back.

**Bank of America.**

**San Jose Main**  
101 Park Center Plaza  
San Jose CA  
408.983.0588

FOR NVIDIA - Iguana Assign. Recordation

001527 11:12 10003581: 00354 03104